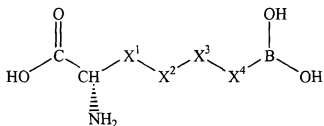


# CLAIMS

What is claimed is:

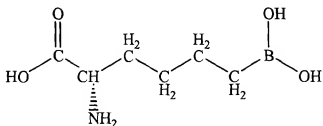
1. A composition comprising an arginase inhibitor having the structure



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wherein each of  $\text{X}^1$ ,  $\text{X}^2$ ,  $\text{X}^3$ , and  $\text{X}^4$  is selected from the group consisting of  $-(\text{CH}_2)-$ ,  $-\text{S}-$ ,  $-\text{O}-$ ,  $-(\text{NH})-$ , and  $-(\text{N-alkyl})-$ , except that  $\text{X}^2$  is not  $-\text{S}-$  when each of  $\text{X}^1$ ,  $\text{X}^3$ , and  $\text{X}^4$  is  $-(\text{CH}_2)-$ .

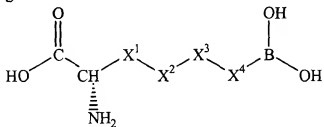
- 10 2. The composition of claim 1 wherein the inhibitor has the structure



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3. The composition of claim 1, further comprising a pharmaceutically acceptable carrier.

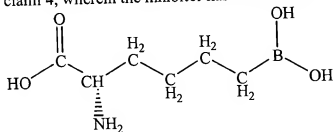
4. A pharmaceutical composition comprising a pharmaceutical acceptable carrier and an arginase inhibitor having the structure



wherein each of  $\text{X}^1$ ,  $\text{X}^2$ ,  $\text{X}^3$ , and  $\text{X}^4$  is selected from the group consisting of  $-(\text{CH}_2)-$ ,

-S-, -O-, -(NH)-, and -(N-alkyl)-, wherein if each of X<sup>1</sup>, X<sup>3</sup>, and X<sup>4</sup> is -(CH<sub>2</sub>)-, then X<sup>2</sup> is not -S-.

5. The composition of claim 4, wherein the inhibitor has the structure



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